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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s)** : Berthon-Jones, Michael

**Serial No.** : TBA  
(continuation of 10/188,489)      **Examiner** : Lewis, A.

**Filed** : Herewith      **Group Art Unit:** 3761

**For** : METHOD AND APPARATUS FOR DETERMINING  
INSTANTANEOUS INSPIRED VOLUME OF A SUBJECT  
DURING VENTILATORY ASSISTANCE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97. and 1.98, applicant submits herewith an Information Disclosure Statement (IDS) accompanied by the Form PTO-1449 with the prior art references listed therein.

Since the above-identified application was filed after June 30, 2003, no copies of the US Patent documents cited in this IDS are required. Further, the Foreign Patent documents and Other Prior Art-Non Patent Literature documents have been previously submitted at the time of filing prior application.

Also, because the documents listed in the Form PTO-1449 are in the English language, no concise explanation of their relevancy is necessary, as pointed out in 37 CFR §1.98 (3)(i).

Inasmuch as the subject application has not yet received a first Office Action on the merits,

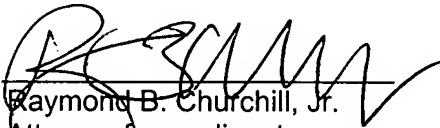
this information is believed to be timely filed under 37 CFR §1.97(b)(3). Accordingly, consideration of the enclosed references is deemed proper, and is therefore respectfully requested.

No fee is deemed necessary in connection with the filing of this communication. If any fee is required, authorization is hereby given to charge the amount of any such fee to the undersigned firm's Deposit Account No.07-1730, Docket No. 3869-013US6. A duplicate copy of this communication is attached for that purpose.

Respectfully submitted  
GOTTLIEB, RACKMAN & REISMAN, P.C.

New York, N.Y.

Dated: 3/15/, 2004

By:   
Raymond B. Churchill, Jr.  
Attorney for applicant  
Registration No. 44,617

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Substitute for FORM 1449A/PTO PTO/SB/08A (10-01)  
U.S. PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Attorney Docket Number: 3869-013US6

Application Number : TBA

First Named Inventor: Berthon-Jones

Filing Date: Herewith

Examiner Name: Lewis, Aaron

Art Unit: 3761

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US- 6,532,957	03.18.03	Berthon-Jones	
	US- 6,484,719	11.26.02	Berthon-Jones	
	US- 6,212,507	04.03.01	Hwang	
	US- 5,822,496	10.01.98	Lee et al.	
	US- 5,737,493	04.07.98	Viot et al.	
	US- 5,694,351	12.02.97	Chang et al.	
	US- 5,587,898	12.24.96	Palm	
	US- 5,582,182	12.10.96	Hillsman	
	US- 5,412,757	05.02.95	Endo	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	FOREIGN PATENT DOCUMENT	PUBLICATION DATE	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

### OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

(including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		DATE CONSIDERED
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		

Substitute for FORM 1449A/PTO PTO/SB/08A ( 10-01) U.S. PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  <i>(Use several sheets if necessary)</i>	Attorney Docket Number: 3869-013US6	Application Number : TBA
	First Named Inventor: Berthon-Jones	Filing Date: Herewith
	Examiner Name: Lewis, Aaron	Art Unit: 3761

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,316,009	05.31.94	Yamada	
		US- 5,295,229	03.15.94	Viot et al.	
		US- 5,251,124	10.05.93	Matsunaga	
		US- 5,245,695	09.14.93	Basehore	
		US- 5,012,430	04.30.91	Sakurai	
		US- 4,444,201	04.24.84	Itoh	
		US- 4,351,344	09.28.82	Stenzler	
		US- 4,393,869	07.19.83	Boyarsky et al	
		US- 4,296,756	10.27.81	Dunning et al.	

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Substitute for FORM 1449A/PTO PTO/SB/08A (10-01) U.S. PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	Attorney Docket Number: 3869-013US6	Application Number : TBA
	First Named Inventor: Berthon-Jones	Filing Date: Herewith
	Examiner Name: Lewis, Aaron	Art Unit: 3761

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US- 4,036,221	07.19.77	Hillsman et al.	
	US- 4,031,885	06.28.77	Davis et al.	
	US- 3,923,056	12.02.75	Bingmann et al.	
	US- 3,834,381	09.10.74	Peterson	
	US- 3,792,000	04.24.73	Bell	
	US- 3,612,040	10.12.71	Sugiyama	
	US-			
	US-			
	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	FOREIGN PATENT DOCUMENT	PUBLICATION DATE	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS***(including Author, Title, Date, Pertinent Pages, Etc.)*

<b>EXAMINER</b>		<b>DATE CONSIDERED</b>
<i>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</i>		



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Substitute for form 1449B/PTO

**Complete if Known**

*(use as many sheets as necessary)*

Sheet

4

of

25

Application Number

Filing Date

**First Named Inventor**

Berthon-Jones et al.

**Group Art Unit**

3761

**Examiner Name**

**Lewis, Aaron J.**

Attorney Docket Number

3869/013

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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**Notice of References Cited**Applicant/Patent  
**MICHAEL BERTHON-JON**

Application/Control No.

Examiner  
**AARON J. LEWIS**Art Unit  
**3761**Page **5** of **25****U.S. PATENT DOCUMENTS****01182**

	Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Name	Classification <sup>2</sup>	
A	4,957,107	9/1990	SIPIN	128	204.21
B	5,313,937	5/1994	ZDROJKOWSKI	128	202.22
C	5,799,652	9/1998	KOTLIAR	128	205.11
D	6,152,129	11/2000	BERTHON-JONES	128	204.23
E	6,286,508	9/2001	REMMERS ET AL.	128	204.18
F	6,257,234	7/2001	SUN	128	204.18
G	6,318,365	11/2001	VOGELE ET AL.	128	204.18
H					
I					
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M					

**FOREIGN PATENT DOCUMENTS**

	Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Country	Name	Classification <sup>2</sup>	
N	EP 0 651 971 A	5/1995	EP	BERTHON-JONES	-----	
O						
P						
Q						
R						
S						
T						

**NON-PATENT DOCUMENTS**

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	
V	
W	
X	

\* A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

<sup>1</sup> Dates in MM-YYYY format are publication dates.<sup>2</sup> Classifications may be U.S. or foreign.



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Attn. Docket:	3869/013	Serial No.:	pending
Applicant:			
Michael Berthon-Jones			
Filing Date:	March 12, 1998	Group:	3761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,499,314	02/19/85	Schebler			
	4,870,960	10/03/89	Hradek			
	5,293,864	03/15/94	McFadden			
	5,701,383	03/24/98	Heta et al.			
	5,730,121	03/24/98	Hawkins			

FOREIGN PATENT OF FOREIGN PUBLISHED APPLICATION

DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
EP 0 236 350 A2	09/16/87	European				
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	Puritan Bennett; Companion 318 Nasal CPAP System; 5/93
	Nellcor Puritan Bennett; Announcing the Goodnight 314 and GoodKnight 318 Nasal CPAP Systems
	Puritan Bennett; Clean, Quiet, and Comfortable... The Companion's 515 Nasal CPAP System; 6/88
	DeVilbiss Night Guard Nasal CPAP for the Treatment of Obstructive Sleep Apnea
	Sunrise; DeVilbiss Horizon LT 8001 Nasal CPAP Therapy Small in Size, big features
	DeVilbiss; Revitalizer Soft Start; The Facts Speak for Themselves
	Tranquility; Performance CPAP Advantage
	Healthdyne International; Tranquility Plus
	Respironics Inc.; Respironics' Solo CPAP System Provides Simplified OSA Therapy at an Outstanding value; 9/19/96
	Respironics Inc.; The First Family of OSA Therapy; 1991
	Fisher & Paykel Healthcare; HC200 Series Nasal CPAP Blower & Heated Humidifier

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	Puritan Bennett; 515a Part of Our Blueprint for the Future; 03/90
	Puritan Bennett; Companion 320 I/E Bi-Level Respiratory System; 4/93
	ResMed; Sullivan VPAP II & II ST
	ResMed; The Sullivan V Family of CPAP Systems
	ResMed; The AutoSet Portable II
	ResMed; Sullivan Nasal CPAP System
	ResMed; The Sullivan IIID
	ResMed; The Sullivan Comfort
	DeVilbiss a Division of Sunrise Medical; Expand your Horizons With The Horizons
	Healthdyne Technologies; Home Health Care Dealer; The Journal of Home Medical Equipment and Services/Supplier; November and December 1997
	Healthdyne International; Tranquility Quest, The Compact CPAP for Greater patient comfort
	AirStep; Medical Products... Stand the Test of Time
	MAP Medical Progress for Physician und Patient; The Gentle Therapy for Sleep-Related Breathing Disorders
	Taema; Ventilation CP 90
	DPAP; Breath, by breath, by breath
	Lifecare; Smallest. Quietest. Smartest.
	Lifecare; Quiet CPAP System for Maximum Compliance; 1991
	Lifecare; Software Nasal Mask, Custom Nasal Masks; 1991
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	Respironics Inc.; Aria CPAP System
	Respironics Inc.; SleepEasy III A New Dawn in Patient Compliance
	Respironics Inc.; Multiple Choice REMstar Choice Nasal CPAP System
	MaxII nCPAP and Moritz II Bi-Level Brochure

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FORM PTO-1449 US DEPARTMENT OF COMMERCE  
(modified) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Attn. Docket:

3869/013

Serial No.:

pending

Applicant:

Michael Berthon-Jones

Filing Date:

Group:

3761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,099,985	08/06/63	Wilson et al.			
	3,741,208	06/26/73	Jonsson et al.			
	3,882,847	05/13/75	Jacobs			
	3,914,994	10/28/75	Banner			
	3,995,361	12/07/76	Van Fossen			
	4,109,749	08/29/78	Sweet			
	4,320,766	03/23/82	Alihanka et al.			
	4,396,034	08/02/83	Cherniak			
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	4,449,525	05/22/84	White et al.			
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	4,803,471	02/07/89	Rowland			
	4,819,529	04/11/89	Jonson			
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	4,938,210	07/03/90	Shene			
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	4,972,842	11/27/90	Korten et al.			
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## U.S. PATENT DOCUMENTS (continued)

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,322,057	06/21/94	Raabe et al.			
		5,388,571	02/14/95	Roberts et al.			
		5,398,673	03/21/95	Lambert			
		5,404,371	04/11/95	Goodman et al.			
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		5,567,127	10/22/96	Wentz			
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		5,642,730	07/01/97	Baran			
		5,655,520	08/12/97	Howe et al.			
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		5,794,615	08/18/98	Estes			
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		5,803,066	09/08/98	Rapoport et al.			
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		5,823,187	10/20/98	Estes et al.			
		5,845,536	12/08/98	Gruenke et al.			

## FOREIGN PATENT OF FOREIGN PUBLISHED APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		EP 0 062 166 A2	10/13/82	European				
		WO 82/03326	10/14/82	PCT				
		EP 0 066 451 A1	12/08/82	European				
		DE 34 02 603 A1	08/01/85	Germany				
		JP 60-212607	10/24/85	Japan				
		EP 164 500 A	12/18/85	European				
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## FOREIGN PATENT OF FOREIGN PUBLISHED APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		GB 2 271 811 A	04/27/94	Great Britain				
		AU B 79174/94	06/08/95	Australia				
		EP 0 839 545 A1	05/06/98	European				
		WO 98/35715	08/20/98	PCT				
		WO 98/36245	08/20/98	PCT			--	
		WO 98/36338	08/20/98	PCT			--	
		WO 98/47554	10/29/98	PCT				
		WO 98/52467	11/26/98	PCT				
		WO 98/57691	12/23/98	PCT				

## OTHER DOCUMENTS


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FORM PTO-1449 US DEPARTMENT OF COMMERCE  
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 5

Attn. Docket:	3869/013	Serial No.:	pending
Applicant:			
Michael Berthon-Jones			
Filing Date:		Group:	3761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,191,596	06/29/65	Bird, et al.			
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	4,448,058	05/15/84	Jaffe, et al.			
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	4,660,555	04/28/87	Payton			
	4,667,669	05/26/87	Pasternack			
	4,686,975	08/18/87	Naimon, et al.			
	4,773,411	09/27/88	Downs			
	4,776,333	10/11/88	Miyamae			
	4,795,314	01/03/89	Prybella, et al.			
	4,807,516	02/28/89	Adahan			
	4,823,787	04/25/89	Adahan			
	4,823,788	04/25/89	Smith, et al.			
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	4,338,257	06/13/89	Hatch			
	4,370,963	10/03/89	Carter			
	4,377,023	10/31/89	Zalkin			

## U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,387,507	12/19/89	Beatty			
	4,915,103	04/10/90	Visveshwara, et al.			
	4,938,212	07/03/90	Snook, et al.			
	4,941,469	07/17/90	Adahan			
	4,971,050	11/20/90	Bartos			
	4,989,599	02/05/91	Carter			
	5,002,050	03/26/91	McGinnis			
	5,042,470	08/27/91	Kanesaka			
	5,046,491	09/10/91	Derrick			
	5,048,515	09/17/91	Sanso			
	5,067,487	11/26/91	Bauman			
	5,099,836	03/31/92	Rowland, et al.			
	5,107,830	04/28/92	Younes			
	5,129,390	07/14/92	Chopin, et al.			
	5,222,478	06/29/93	Scarberry, et al.			
	5,233,983	08/10/93	Markowitz			
	5,255,687	10/26/93	McKenna			
	5,273,031	12/28/93	Olsson, et al.			
	5,295,491	03/22/94	Gevins			
	5,303,700	04/19/94	Weismann, et al.			
	5,327,399	07/12/94	Harris, et al.			
	5,413,111	05/09/95	Wilkinson			
	5,540,220	01/30/96	Gropper, et al.			
	5,507,282	04/16/96	Younes			
	5,513,531	05/07/96	McWilliams			
	5,540,222	07/30/96	Younes			
	5,546,934	08/20/96	Kaigler, et al.			
	5,603,315	02/18/97	Sasso, Jr.			
	5,617,846	04/08/97	Graetz et al.			
	5,645,053	07/08/97	Remmers et al.			
	5,647,351	07/15/97	Wesimann, et al.			
	5,682,373	11/04/97	Ogden			
	5,594,923	12/09/97	Hete et al.			



## U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,704,345	01/06/98	Berthon-Jones			
	5,715,312	02/10/98	Deighan et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	SU 1,432,572	04/21/76	Switzerland				
	GB 1 583 273	01/21/81	Great Britain				
	GB 2054387	02/18/81	Great Britain				
	GB 207 444 A	12/16/81	Great Britain				
	GB 2 097 272 A	11/03/82	Great Britain				
	EP 93503	11/09/83	European				
	DE 3429345 A1	06/13/85	Germany				
	FR 2 596 279	03/27/86	France				
	EP 200737 B1	11/12/86	European				
	EP 274996	07/20/88	European				
	WO 89/05669	06/29/89	PCT				
	WO 89/09565	10/19/89	PCT				
	EP 347015 B1	12/20/89	European				
	WO 90/09146	08/23/90	PCT				
	AU-A-59270/90	12/18/90	Australia				
	AU-A-76019/91	01/02/92	Australia				
	EP 549 299 A2	06/30/93	European				
	EP 606 687 A2	07/20/94	European				
	AU-A-52628/93	07/21/94	Australia				
	EP 0 705 615 A1	09/08/94	European				
	WO 94/22517	10/13/94	PCT				
	FR 2 733 688	05/05/95	France				
	EP 0651971 A1	05/10/95	European				
	WO 95/34917	12/21/95	PCT				
	WO 96/16638	06/06/96	PCT				
	AU-A-39130/95	06/13/96	Australia				

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION (Continued)

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 96/39216	12/12/96	PCT				
		WO 96/40336	12/19/96	PCT				
		WO 96/40338	12/19/96	PCT				
		WO 97/06844	02/27/97	PCT				
		WO 97/09090	03/13/97	PCT				
		EP 0 774 269 A1	05/21/97	Europe				
		WO 97/28323	08/14/97	PCT				
		WO 97/41812	11/13/97	PCT				
		EP 0811394	12/10/97	European				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

	Textbook Fuzzy sets and fuzzy logic, theory and application by George J. Klir and Bo Yuan, Prentice Hall PTR, pp. 1-5, 11-14, 236-237, 327-338, 1995.
	Textbook Fuzzy Logic, by Daniel McNeill and Paul Freiberger, Simon & Schuster, pp. 102-117.

EXAMINER

\*

DATE CONSIDERED

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\*Website by Mark Kantrowitz et al., Carnegie Mellon, School of Computer Science at <http://www-2.cs.cmu.edu/afs/cs.cmu.edu/project/ai-repository/ai/html/faqs/ai/fuzzy/part1/faq-doc-2.html>, dated 21-APR-1993.

FORM PTO-1449 US DEPARTMENT OF COMMERCE  
(modified) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 2

Attn: Docket 3869/013		Serial No.: pending
Applicant Michael Berthon-Jones		
Filing Date:		Group: 3761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,502,100	03/24/70	Jonson			
	3,726,270	04/10/73	Grimis et al			
	3,741,208	06/28/73	Jonsson et al.			
	4,119,096	10/10/78	Draws			
	4,206,754	06/10/80	Cox et al.			
	4,312,235	07/26/82	Daigle			
	4,481,944	11/13/84	Bunneil			
	4,519,399	5/28/85	Hori			
	4,592,380	06/03/86	Murakami			
	4,747,403	05/31/88	Gluck et al.			
	4,773,411	09/27/88	Downs			
	4,802,485	02/07/89	Bowers et al			
	4,928,884	05/29/90	Brentenfelder et al.			
	4,957,107	09/18/90	Sipin			
	4,989,599	02/05/91	Carter			
	5,046,491	9/10/91	Derrick			
	5,048,515	09/17/91	Sanso			
	5,063,938	11/12/91	Deck et al			
	5,099,337	03/31/92	Russer Sr. Et al.			
	5,107,330	04/28/92	Younes			
	5,107,831	04/28/92	Haipern et al			
	5,129,390	07/14/92	Chopin et al.			
	5,148,302	09/22/92	Sanders et al.			
	5,165,398	11/24/92	Bird			
	5,203,343	04/20/93	Axe et al.			
	5,239,994	08/31/93	Atkins			
	5,239,995	08/31/93	Estes et al.			
	5,245,995	09/21/93	Sullivan et al.			
	5,303,700	04/19/94	Weismann et al			
	5,311,375	05/17/94	Stasz			
	5,335,336	08/09/94	Bowe et al.			
	5,303,598	08/19/94	Tedra et al			
	5,375,342	12/20/94	Olsson et al.			

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,400,777	03/28/95	Olsson et al.			
	5,443,081	08/22/95	Champain et al.			
	5,458,137	10/17/95	Axe et al.			
	5,509,414	04/23/96	Hok			
	5,535,739	07/16/96	Rapoport et al.			
	5,546,933	08/20/96	Rapoport et al.			
	5,633,552	05/27/97	Lee et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	4-70516	03/05/92	Japan				
	WO 93/08857	05/13/93	PCT				
	WO 93/09834	05/27/93	PCT				
	WO 93/21982	11/11/93	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)


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INFORMATION DISCLOSURE  
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Attn. Docket:	3869/013	Serial No.:	pending
Applicant:		Michael Berthon-Jones	
Filing Date:		Group:	3761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2,904,023	09/15/59	Shane			
	3,559,523	02/02/71	Porter			
	3,595,223	07/27/71	Simon, et al.			
	3,811,301	10/12/71	Paine, et al.			
	3,302,417	04/09/74	Lang			
	3,932,054	01/13/76	McKelvey			
	3,989,037	11/02/76	Franetzki			
	4,006,534	02/08/77	Billette, et al.			
	4,083,245	04/11/78	Osborn			
	4,312,235	01/29/82	Daigle			
	4,322,594	03/30/82	Brisson			
	4,331,788	05/03/83	Douglas			
	4,433,593	02/23/84	Hochstein			
	4,550,515	11/05/85	Grant			
	4,550,726	11/05/85	McEwen			
	4,570,531	02/18/86	Durkan			
	4,580,575	04/08/86	Bimbaum, et al.			
	4,595,016	06/17/86	Fertig, et al.			
	4,602,544	07/29/86	DiBenedetto, et al.			
	4,648,396	03/10/87	Raemer			
	4,655,213	04/07/87	Rapoport et al.			
	4,686,974	08/18/87	Sato et al.			
	4,738,266	04/19/88	Thatcher			
	4,777,963	10/18/88	McKenna			
	4,802,485	02/07/89	Bowers, et al.			
	4,838,258	06/13/89	Dryden, et al.			
	4,844,085	07/04/89	Gattinoni			
	4,913,401	04/03/90	Handke			
	4,938,212	07/03/90	Snook, et al.			
	4,944,310	07/31/90	Sullivan			
	4,960,113	10/02/90	Pennock			
	4,971,065	11/20/90	Pearce			
	4,982,738	01/08/91	Griebel			
	5,009,525	04/23/91	Scarberry			
	5,024,219	06/12/91	Diez			

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,052,400	10/01/91	Dietz			
	5,065,756	11/19/91	Rapoport			
	5,069,222	12/03/91	McDonald, Jr.			
	5,090,248	02/25/92	Cimmino, Et al.			
	5,117,319	06/02/92	Servidio et al.			
	5,124,995	08/04/92	Gruenke et al.			
	5,148,302	09/22/92	Sanders et al.			
	5,161,541	11/10/92	Bowman, et al.			
	5,161,525	11/10/92	Kimm et al.			
	5,170,798	12/15/92	Riker			
	5,190,048	03/02/93	Wilkinson			
	5,195,523	03/23/93	Hok			
	5,199,424	04/06/93	Sullivan, et al.			
	5,203,343	04/20/93	Axe, et al.			
	5,231,979	08/03/93	Rose et al.			
	5,239,995	08/31/93	Estes, et al.			
	5,245,395	09/21/93	Sullivan, et al.			
	5,259,373	11/09/93	Gruenke, et al.			
	5,271,391	12/21/93	Graves			
	5,311,375	05/17/94	Stasz			
	5,313,937	05/24/94	Zdrojkowski			
	5,335,654	08/09/94	Rapoport			
	5,343,373	09/06/94	Scarberry et al.			
	5,353,738	10/11/94	Miles			
	5,360,008	11/01/94	Campbell, Jr.			
	5,394,382	03/07/95	Mawhinney			
	5,433,193	07/18/95	Sanders et al.			
	5,443,061	08/22/95	Champaign et al.			
	5,458,127	10/17/95	Axe, et al.			
	5,479,939	01/02/96	Ogino			
	5,483,969	01/16/96	Testerman, et al.			
	5,490,502	02/13/96	Rapoport, et al.			
	5,492,113	02/20/96	Estes et al.			
	5,503,146	04/02/96	Froehlich, et al.			
	5,507,282	04/16/96	Younes			
	5,513,631	05/07/96	McWilliams			
	5,517,983	05/21/96	Deighan et al.			
	5,522,282	06/04/96	Sullivan et al.			
	5,536,723	07/16/96	Estes, et al.			
	Re. 25,295	07/16/96	Estes, et al.			

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,535,739	07/16/96	Rapoport et al.			
	5,537,997	07/23/96	Mechlenburg et al.			
	5,540,219	07/30/96	Mechlenburg, et al.			
	5,540,733	07/30/96	Testerman, et al.			
	5,546,933	08/20/96	Rapoport, et al.			
	5,546,952	08/20/96	Erickson			
	5,549,555	08/27/96	Erickson			
	5,551,418	09/03/96	Estes et al.			
	5,551,419	09/03/96	Froehlich et al.			
	5,552,099	09/24/96	Bowman, et al.			
	Re. 35,339	10/01/96	Rapoport			
	5,588,439	12/31/96	Hollub			
	5,598,338	02/04/97	Servidio et al.			
	5,605,151	02/25/97	Lynn			
	5,632,269	05/27/97	Zdrojowski			
	5,645,054	07/08/97	Cotner et al.			
	5,655,522	08/12/97	Mechlenburg et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AU-A-52221/90	03/28/91	Australia				
	AU-A-33877/93	04/22/93	Australia				
	AU-A-52628/93	12/01/93	Australia				
	AU-A-38508/93	07/20/93	Australia				
	AU-A-48748/93	09/12/93	Australia				
	AU-A-34471/95	02/22/96	Australia				
	AU-A-40711-95	04/18/96	Australia				
	EP 0 066 461 A1	12/08/82	Europe				
	EP-164-500 A	03/09/85	Europe				
	EP 0 171 321 A1	02/12/86	Europe				
	EP 0 425 092 A1	09/22/89	Europe				
	EP 0 452 001 A2	03/30/90	Europe				
	EP 0 461 281 A1	12/18/91	Europe				
	EP 0 556 216 A2	06/07/95	Europe				
	EP 0 661 071 A1	07/05/95	Europe				
	EP 0 709 107 A1	05/01/96	Europe				
	EP 0 714 570 A2	06/05/96	Europe				
	EP 0 765 531 A2	04/02/97	Europe				

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		EP 0 738 305 A2	08/13/97	Europe				
		FR 2582042-A1	04/09/93	France				
		DE 3345067 A1	06/20/84	Germany				
		DE 296 12 119 U1	12/12/96	Germany				
		DE 195 36 632 A1	03/27/97	Germany				
		GB 2 147 506 A	05/15/85	Great Britain				
		GB 2 166 371 A	05/14/86	Great Britain				
		GB 2 221 302 A	01/31/90	Great Britain				
		GB 2 294 400 A	05/01/96	Great Britain				
		JP 06249741 A	09/09/94	Japan				
		JP 5-249742 A	09/09/94	Japan				
		JP 3019610 A	01/23/96	Japan				
		WO 32/03548	10/23/82	PCT				
		WO 36/05965	10/23/86	PCT				
		WO 37/02577	05/07/87	PCT				
		WO 38/10108	12/29/88	PCT				
		WO 90/14121	11/29/90	PCT				
		WO 91/12051	08/22/91	PCT				
		WO 92/11054	07/09/92	PCT				
		WO 92/22244	12/23/92	PCT				
		WO 93/08857	05/12/93	PCT				
		WO 93/09834	05/27/93	PCT				
		WO 93/21982	11/11/93	PCT				
		WO 93/24169	12/09/93	PCT				
		WO 94/04071	03/03/94	PCT				
		WO 94/20018	09/15/94	PCT				
		WO 94/23780	10/27/94	PCT				
		WO 95/32016	11/30/95	PCT				
		WO 96/32055	10/17/96	PCT				
		WO 96/36279	11/21/96	PCT				
		WO 96/40337	12/19/96	PCT				
		WO 96/41571	12/27/96	PCT				
		WO 97/02064	01/23/97	PCT				
		WO 97/05824	02/20/97	PCT				
		WO 97/10019	03/20/97	PCT				
		WO 97/10863	03/27/97	PCT				
		WO 97/14354	04/24/97	PCT				
		WO 97/15343	05/01/97	PCT				
		WO 97/18752	05/29/97	PCT				
		WO 97/20499	06/12/97	PCT				



## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 97/22377	06/26/97	PCT				
		SE 467041-B	05/18/92	Sweden				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Attn. Docket: 3869/013		Serial No.: pending
Applicant: Michael Berthon-Jones		
Filing Date:		Group: 3761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE -IF APPROPRIATE
	950,316	03/01/10	Eriksson et al.			
	3,783,393	01/08/74	Davison			
	3,317,246	06/18/74	Weigl			
	3,903,375	09/09/75	Hughes			
	3,932,054	01/13/76	McKelvey			
	3,985,467	10/12/76	Lefferson			
	3,992,598	11/16/76	Welsh et al.			
	4,301,333	11/24/81	Donald, III			
	4,387,722	06/14/83	Kearns			
	4,448,058	05/15/84	Jaffe et al.			
	4,530,334	07/23/85	Pagdin			
	4,530,514	12/23/86	Atlas			
	4,686,999	08/18/87	Snyder et al.			
	4,795,314	01/03/89	Prybella et al.			
	4,323,788	04/25/89	Smith et al.			
	4,327,922	05/09/89	Champaign et al.			
	4,838,258	06/13/89	Dryden et al.			
	4,915,103	04/10/90	Visveshwara et al.			
	4,938,212	07/03/90	Snook et al.			
	4,957,107	09/18/90	Sipin			
	5,105,354	04/14/92	Nishimura			
	5,134,995	08/04/92	Gruenke et al.			
	5,183,983	02/02/93	Knop			
	5,305,787	04/25/94	Thygesen			
	5,438,980	08/08/95	Phillips			
	5,443,075	08/22/95	Holscher			

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,448,996	09/12/95	Bellin et al.			
		5,540,220	07/30/96	Gropper			
		5,549,106	08/27/96	Gruenke et al.			
		5,570,882	11/05/96	Johnson			
		5,830,411	05/20/97	Holscher			
		5,860,171	08/26/97	Kimm et al.			
		5,566,946	09/16/97	Langenback			
		5,701,383	12/30/97	Heta et al.			
		5,740,795	04/21/98	Brydon			

## FOREIGN PATENT OF FOREIGN PUBLISHED APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		459,104	04/26/28	Germany				
		1,432,572	04/22/76	London				
		GB 1 444 053	07/28/76	Great Britain				
		JP 54-104369	08/16/79	Japan				
		WO 80/01044	05/29/80	PCT				
		DE 3015279 A1	10/29/81	Germany				
		WO 82/03326	10/14/82	PCT				
		EP 0 066 451 A1	12/08/82	European				
		B1 0 088 761	09/21/83	European				
		EP 0 164 500 A2	03/09/85	European				
		GB 2 164 569 A	03/26/86	Great Britain				
		FR 2 574 657 A1	06/20/86	France				
		WO 86/06969	12/04/86	PCT				
		DE 3537507 A1	04/23/87	Germany				
		JP 62-103297	04/28/87	Japan				
		DE 3539073 A1	05/14/87	Germany				
		JP 63-275352	11/14/88	Japan				
		GB 2 205 167 A	11/30/88	Great Britain				

## FOREIGN PATENT OF FOREIGN PUBLISHED APPLICATION (Continued)

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		EP 298 367 A2	01/11/89	European				
		WO 91/19456	12/26/91	PCT				
		JP 4-70516 A	03/05/92	Japan				
		EP 481 459 A1	04/22/92	European				
		SE 467041 B	05/18/92	Sweden				
		WO 92/15353	09/17/92	PCT				
		GB 2 254 700 A	10/14/92	Great Britain				
		EP 0514 744	11/25/92	European				
		FR 2682042 A1	04/09/93	France				
		GB 2 261 290 A	05/12/93	Great Britain				
		AU-A-52628/93	07/21/94	Australia				
		WO 94/16759	08/04/94	PCT				
		WO 94/20051	09/15/94	PCT				
		JP 07280609 A	10/27/95	Japan				
		EP 178 925 A2	04/23/96	European				
		AU B 34354/95	05/09/96	Australia				
		WO 96/16688	06/06/96	PCT				
		AU A 42027/97	02/05/98	Australia				
		WO 98/06449	02/19/98	PCT				
		WO 98/12965	04/02/98	PCT				
		WO 98/25662	06/18/98	PCT				
		WO 98/33433	08/06/98	PCT				

## OTHER DOCUMENTS

	Derwent: Flowmeter for fluids-has turbine transducer and volumetric sensor for simultaneous calibration
	Mark Kantrowitz, Erik Horskotte and Cliff Joslyn; "Answers to Frequently Asked Questions about Fuzzy Logic and Fuzzy Expert Systems" Version 1.24 last Modified 20 2 96

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.